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For Emergency Product Information Call:  
Director Quality Services (704) 551-5820

**Material Safety Data Sheet**  
**Gold Bond® BRAND Retarder**

MSDS No: GB-1305  
Dated: January 26, 2004

**1. Product Identification**

Product Name: **Retarder** (Job Use and High Strength)  
Use: Material added to plaster which will lengthen setting time.  
Generic Descriptions: Gray/brown powder

**2. Composition/Information on Hazardous Ingredients**

Contains: <u>Chemical Identity</u>	<u>CAS-NO</u>	<u>Exposure Limits</u>	
		<u>OSHA</u> <u>PEL</u> (mg/m <sup>3</sup> )	<u>ACGIH</u> <u>TLV</u> (mg/m <sup>3</sup> )
Gypsum	10101-41-4	5	10 <sup>A</sup>
Quartz <sup>B</sup>	14808-60-7	C	0.1
Calcium Hydroxide	1305-62-0	5	5
And may contain the following:			
Calcium Carbonate	1317-65-3	5	10 <sup>A</sup>

**Contains no asbestos.** HMIS Hazard Class No. 1, 0, 0.

<sup>A</sup> Total dust. All others are respirable dust.

<sup>B</sup> Present as a naturally occurring component of minerals. See Sec. 3 HEALTH HAZARDS IDENTIFICATION

<sup>C</sup> Respirable dust. Use the formula  $\frac{10 \text{ mg/m}^3}{\% \text{ SiO}_2 + 2}$

Appearance and Odor: A greenish brown powder with a burnt animal hair odor.

**3. Health Hazards Identification**

- Route(s) of Entry: Inhalation and Dermal
- Potential Health Effects: Skin and eye irritant

Quartz (crystalline silica) - The International Agency for Research on Cancer (IARC) classifies crystalline silica inhaled in the form of quartz or cristobalite from occupational sources as carcinogenic to humans, Group 1. The National Toxicology Program (NTP) classifies respirable crystalline silica as a substance, which may be reasonably anticipated to be a carcinogen. OSHA does not regulate crystalline silica as a human carcinogen.

It is recommended that a NIOSH approved respirator, for toxic dusts, be worn whenever working with this product results in airborne dust exposure exceeding the prescribed limits.

Skin Contact: May cause irritation on contact with open wounds or prolonged contact.

Eye Contact: Direct contact may cause chemical burns..

Inhalation: Target Organ: respiratory system

Signs and Symptoms of Exposure to Airborne Dust: Continued and prolonged exposure to airborne dust concentrations in excess of the PEL/TLV may result in cough, dyspnea, wheezing, and impaired pulmonary function.

Medical Conditions Generally Aggravated by Exposure: Overexposure would generally aggravate respiratory system dysfunctions.

#### **4. First Aid Measures**

##### **First Aid Procedures:**

- **Eye:** Immediately flush eyes with water for 15 minutes and get medical attention.
- **Skin:** Flush and wash skin with soap and water. Get medical attention if irritation persists.
- **Breathing:** Move the exposed person to fresh air at once. If not breathing initiate pulmonary resuscitation. Get medical attention.

#### **5. Fire Hazards**

- Not Combustible
- NFPA Hazard Class No: 1/0/0
- Extinguishing Media: Dry chemical, foam, water, fog or spray.

Special Fire Fighting Procedures: Wear full protective equipment and an approved pressure demand self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Possibility of explosion under dusty conditions.

#### **6. Precautions For Safe Handling**

- Steps to be taken in Case Material is Released or Spilled: Shovel or scoop up back into container for use if possible or disposal.
- Waste Disposal Method: Dispose of in accordance with applicable federal, state, and local regulations.
- Precautions to be taken in Handling and Storing: Keep dry to preserve usefulness.

#### **7. Stability and Reactivity**

- Stability and Reactivity: Gold Bond® Retarder is stable and hazardous polymerization will not occur. When heated to decomposition, oxides of sulfur will be released.

#### **8. Exposure Controls/Personal Protection**

- Work/Hygiene Practices: Avoid creating dust.
- Ventilation: Provide ventilation to maintain a dust level below the PEL/TLV.
- Respiratory Protection: A NIOSH approved respirator for toxic dusts is recommended if the PEL/TLV is exceeded.
- Eye Protection: Safety glasses or goggles.

#### **9. Transport Information**

- DOT: Not regulated

#### **10. Regulatory Information**

##### **SARA Title III Section 313 Ingredients**

None at or above the de minimus level.

**11. Other Information**

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind expressed or implied is made with respect to the information contained herein. This material safety data sheet was prepared to comply with the OSHA Hazard Communication Standard (29 CFR 1910.1200) and with the Workplace Hazardous Materials Information System (WHMIS). This supersedes any previous information.

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